PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:43:09

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	First Name	
snyder	richard	Search

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PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
zolotukhin	sergei	Search

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PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
sakai	yoshihisa	Search

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Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
potter	mark r	Search

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Day : Sunday
Date: 3/6/2005
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Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
zolotukhin	irine	Search

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Date: 3/6/2005
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Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
loiler	scott	Search

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PALM INTRANET

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Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
chiodo	vince	Search

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PALM INTRANET

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Date: 3/6/2005
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Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
muzyczka	nicholas	Search

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PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	First Name	
hauswirth	william	Search

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Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
flotte	terence	Search

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PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	First Name	
burger	corinna	Search

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PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
rodriguez	edgardo	Search

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PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

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Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
nash	kevin	Search

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PALM INTRANET

Day : Sunday
Date: 3/6/2005
Time: 14:57:36

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
fraites	thomas	Search

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```
      Set  Items  Description
      ---  -----  -----------
? set hi ;set hi
HILIGHT set on as ''
HILIGHT set on as ''
? begin 5,6,55,154,155,156,312,399,biotech,biosci
>>>         135 is unauthorized
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      Set  Items  Description
      ---  -----  -----------
? AAV? or adeno (n) associated
>>>Unrecognizable Command
? s AAV? or adeno (n) ascociated
           17347  AAV?
           59206  ADENO
               9  ASCOCIATED
               1  ADENO(N)ASCOCIATED
      S1   17348  AAV? OR ADENO (N) ASCOCIATED
? s s1 and rep (5n) cap (5n) different
           17348  S1
           30592  REP
          173432  CAP
        10054698  DIFFERENT
              10  REP(5N)CAP(5N)DIFFERENT
      S2      10  S1 AND REP (5N) CAP (5N) DIFFERENT
? rd s2
>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
...completed examining records
      S3       4  RD S2 (unique items)
? d s3/3/1-4
      Display 3/3/1     (Item 1 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0011433107   BIOSIS NO.: 199800227354
Factor influencing recombinant adeno-associated virus production
AUTHOR: Salvetti Anna; Oreve Soizic; Chadeuf Gilliane; Favre David; Cherel
  Yan; Champion-Arnaud Patrick; David-Ameline Jacques; Moullier Philippe
  (Reprint)
AUTHOR ADDRESS: Lab. Therapie Genique, CHU Hotel-Dieu, Bat. Jean Monnet, 30
  Avenue Jean Monnet, 44035 Nantes Cedex 01, France**France
JOURNAL: Human Gene Therapy  9 (5): p695-706 March 20, 1998 1998
MEDIUM: print
ISSN: 1043-0342
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

                                - end of record -
?
      Display 3/3/2     (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2005 Thomson Derwent & ISI. All rts. reserv.

0332895  DBR Accession No.: 2004-05187   PATENT
New polynucleotides comprising parvovirus rep coding sequences and
    parvovirus cap coding sequences, useful in producing higher stocks of
    hybrid parvovirus vectors for delivering therapeutic nucleic acids to a
    subject - recombinant protein production and vector expression in host
    cell for use in gene therapy
AUTHOR: SAMULSKI R J;  RABINOWITZ J E
PATENT ASSIGNEE: UNIV NORTH CAROLINA  2003
PATENT NUMBER: WO 2003104392  PATENT DATE: 20031218  WPI ACCESSION NO.:
    2004-062324  (200406)
PRIORITY APPLIC. NO.: US 341919  APPLIC. DATE: 20011218
NATIONAL APPLIC. NO.: WO 2002US38423  APPLIC. DATE: 20021202
LANGUAGE: English

                                - end of record -
?
      Display 3/3/3     (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2005 Thomson Derwent & ISI. All rts. reserv.
```

0323488 DBR Accession No.: 2003-24628 PATENT
New helper construct for packaging adeno-associated virus, useful for preparing viral particles for gene therapy, encodes **Cap** and **Rep** genes of **different** serotypes - virus vector construction in packaging cell culture for disease therapy
AUTHOR: HOERER M; DUBIELZIG R; RIES S; KOSFELD-BERGAUER M
PATENT ASSIGNEE: MEDIGENE AG 2003
PATENT NUMBER: WO 200374686 PATENT DATE: 20030912 WPI ACCESSION NO.: 2003-690032 (200365)
PRIORITY APPLIC. NO.: DE 1010139 APPLIC. DATE: 20020307
NATIONAL APPLIC. NO.: WO 2003EP2351 APPLIC. DATE: 20030307
LANGUAGE: German

- end of record -

?
Display 3/3/4 (Item 3 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0291621 DBR Accession No.: 2002-13468 PATENT
Host cell for packaging recombinant adeno-associated virus, useful as vectors for gene therapy, contains separate constructs for Rep and Cap viral proteins - recombinant adeno-associated virus vector-mediated gene transfer and expression in HeLa cell culture for use in melanoma and ovarian cancer gene therapy
AUTHOR: BERTRAN J; MOEBIUS U; HOERER M; REHBERGER B
PATENT ASSIGNEE: MEDIGENE AG 2002
PATENT NUMBER: WO 200220748 PATENT DATE: 20020314 WPI ACCESSION NO.: 2002-383053 (200241)
PRIORITY APPLIC. NO.: DE 1044384 APPLIC. DATE: 20000908
NATIONAL APPLIC. NO.: WO 2001EP10370 APPLIC. DATE: 20010907
LANGUAGE: German

- end of record -

? d s3/9/1
Display 3/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0011433107 BIOSIS NO.: 199800227354
Factor influencing recombinant adeno-associated virus production
AUTHOR: Salvetti Anna; Oreve Soizic; Chadeuf Gilliane; Favre David; Cherel Yan; Champion-Arnaud Patrick; David-Ameline Jacques; Moullier Philippe (Reprint)
AUTHOR ADDRESS: Lab. Therapie Genique, CHU Hotel-Dieu, Bat. Jean Monnet, 30 Avenue Jean Monnet, 44035 Nantes Cedex 01, France**France
JOURNAL: Human Gene Therapy 9 (5): p695-706 March 20, 1998 1998
MEDIUM: print
ISSN: 1043-0342
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Recombinant adeno-associated virus (rAAV) is produced by transfecting cells with two constructs: the rAAV vector plasmid and the

-more-

?
Display 3/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

rep-cap plasmid. After subsequent adenoviral infection, needed for rAAV replication and assembly, the virus is purified from total cell lysates through CsCl gradients, Because this is a long and complex procedure, the precise titration of rAAV stocks, as well as the measure of the level of contamination with adenovirus and rep-positive **AAV**, are essential to evaluate the transduction efficiency of these vectors in vitro and in

vivo. Our vector core is in charge of producing rAAV for outside investigators as part of a national network promoted by the Association Francaise contre les Myopathies/Genethon. We report here the characterization of 18 large-scale rAAV stocks produced during the past year. Three major improvements were introduced and combined in the rAAV production procedure: (i) the titration and characterization of rAAV stocks using a stable rep-cap HeLa cell line in a modified Replication Center Assay (RCA); (ii) the use of **different rep-cap** constructs to provide **AAV** regulatory and structural proteins; (iii) the use of an adenoviral plasmid to provide helper functions needed for rAAV replication and assembly. Our results indicate that: (i) rAAV yields

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Display 3/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

ranged between 1011 to 5 X 1012 total particles; (ii) the physical particle to infectious particle (measured by RCA) ratios were consistently below 50 when using a rep-cap plasmid harboring an ITR-deleted **AAV** genome; the physical particle to transducing particle ratios ranged between 400 and 600; (iii) the use of an adenoviral plasmid instead of an infectious virion did not affect the particles or the infectious particles yields nor the above ratio. Most of large-scale rAAV stocks (7/9) produced using this plasmid were free of detectable infectious adenovirus as determined by RCA; (iv) all the rAAV stocks were contaminated with rep-positive ***AAV*** as detected by RCA. In summary, this study describes a general method to titrate rAAV, independently of the transgene and its expression, and to measure the level of contamination with adenovirus and rep-positive ***AAV*** . Furthermore, we report a new production procedure using adenoviral plasmids instead of virions and resulting in rAAV stocks with undetectable adenovirus contamination.

-more-

?

Display 3/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

DESCRIPTORS:
MAJOR CONCEPTS: Molecular Genetics--Biochemistry and Molecular Biophysics
BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia; Parvoviridae--ssDNA Viruses, Viruses, Microorganisms
ORGANISMS: HeLa (Hominidae); 293 (Hominidae); adeno-associated virus (Parvoviridae)--assembly, recombinant, replication
COMMON TAXONOMIC TERMS: Animals; Chordates; Humans; Mammals; Primates; Vertebrates; Single-Stranded DNA Viruses; Microorganisms; Viruses
CHEMICALS & BIOCHEMICALS: adenoviral vector plasmid; rep-cap plasmid
METHODS & EQUIPMENT: replication center assay--genetic method
CONCEPT CODES:
31500 Genetics of bacteria and viruses
02508 Cytology - Human
10060 Biochemistry studies - General
BIOSYSTEMATIC CODES:
86215 Hominidae
03205 Parvoviridae

- end of record -

? s s1 and rep and cap and serotype (5n) different
17348 S1
30592 REP
173432 CAP
125176 SEROTYPE
10054698 DIFFERENT
3403 SEROTYPE(5N)DIFFERENT
S4 15 S1 AND REP AND CAP AND SEROTYPE (5N) DIFFERENT
? rd s4
>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
...completed examining records
      S5   7 RD S4 (unique items)
? d s5/3/1-7
      Display 5/3/1   (Item 1 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)

0014124023   BIOSIS NO.: 200300082742
Marker rescue of adeno-associated virus (**AAV**) capsid mutants: A novel approach for chimeric   ***AAV***   production.
AUTHOR: Bowles Dawn E; Rabinowitz Joseph E; Samulski R Jude (Reprint)
AUTHOR ADDRESS: Gene Therapy Center, University of North Carolina at Chapel Hill, 7119 Thurston-Bowles, CB 7352, Chapel Hill, NC, 27599-7352, USA** USA
AUTHOR E-MAIL ADDRESS: rjs@med.unc.edu
JOURNAL: Journal of Virology 77 (1): p423-432 January 2003 2003
MEDIUM: print
ISSN: 0022-538X _(ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?
      Display 5/3/2   (Item 2 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)

0013130353   BIOSIS NO.: 200100302192
Recombinant adeno-associated virus (rAAV) serotyped vectors: Effects on the expression of factor IX in mice
AUTHOR: Chao Hengjun (Reprint); Walsh Christopher E (Reprint)
AUTHOR ADDRESS: Gene Therapy Center, University of North Carolina, Chapel Hill, NC, USA**USA
JOURNAL: Blood 96 (11 Part 1): p525a November 16, 2000 2000
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of Hematology San Francisco, California, USA December 01-05, 2000; 20001201
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?
      Display 5/3/3   (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

03805299   H.W. WILSON RECORD NUMBER: BGSA98055299   (USE FORMAT 7 FOR FULLTEXT)
How do animal DNA viruses get to the nucleus?.
Kasamatsu, H
Nakanishi, A
Annual Review of Microbiology v. 52 (1998) p. 627-86
SPECIAL FEATURES: bibl il   ISSN: 0066-4227
 LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 30861

- end of record -

?
      Display 5/3/4   (Item 1 from file: 266)
DIALOG(R)File 266:FEDRIP

00368589
IDENTIFYING NO.: 5P01HL059412-08 9001 AGENCY CODE: CRISP
CORE--VECTOR
PRINCIPAL INVESTIGATOR: SNYDER, RICHARD O
ADDRESS: UNIVERSITY OF FLORIDA PO BOX 100266 GAINESVILLE, FL 32610
PERFORMING ORG.: UNIVERSITY OF FLORIDA, GAINESVILLE, FLORIDA
SPONSORING ORG.: NATIONAL HEART, LUNG, AND BLOOD INSTITUTE
DATES: 2009/30/97 TO 2008/31/07 FY : 2004

- end of record -

?
Display 5/3/5 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0353429 DBR Accession No.: 2004-25721 PATENT
New nucleic acid having a nucleotide sequence encoding adeno-associated virus (**AAV**) Rep3 protein, and a second nucleotide sequence encoding a **AAV** capsid protein, for use in producing recombinant adeno-associated virus virions - isolation of a recombinant adeno virus vector useful for liver disease gene therapy and for producing a virion
AUTHOR: SNYDER R O; ZOLOTUKHIN S; SAKAI Y; BYRNE B J; POTTER M R; ZOLOTUKHIN I; LOILER S; CHIODO V A; MUZYCZKA N; HAUSWIRTH W W; FLOTTE T R; BURGER C; RODRIGUEZ E; NASH K R; FRAITES T J
PATENT ASSIGNEE: SNYDER R O; ZOLOTUKHIN S; SAKAI Y; BYRNE B J; POTTER M R; ZOLOTUKHIN I; LOILER S; CHIODO V A; MUZYCZKA N; HAUSWIRTH W W; FLOTTE T R; BURGER C; RODRIGUEZ E; NASH K R; FRAITES T J 2004
PATENT NUMBER: US 20040209245 PATENT DATE: 20041021 WPI ACCESSION NO.: 2004-747203 (200473)
PRIORITY APPLIC. NO.: US 798192 APPLIC. DATE: 20040311
NATIONAL APPLIC. NO.: US 798192 APPLIC. DATE: 20040311

-more-

?
Display 5/3/5 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

LANGUAGE: English

- end of record -

?
Display 5/3/6 (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0323488 DBR Accession No.: 2003-24628 PATENT
New helper construct for packaging adeno-associated virus, useful for preparing viral particles for gene therapy, encodes **Cap** and **Rep** genes of different serotypes - virus vector construction in packaging cell culture for disease therapy
AUTHOR: HOERER M; DUBIELZIG R; RIES S; KOSFELD-BERGAUER M
PATENT ASSIGNEE: MEDIGENE AG 2003
PATENT NUMBER: WO 200374686 PATENT DATE: 20030912 WPI ACCESSION NO.: 2003-690032 (200365)
PRIORITY APPLIC. NO.: DE 1010139 APPLIC. DATE: 20020307
NATIONAL APPLIC. NO.: WO 2003EP2351 APPLIC. DATE: 20030307
LANGUAGE: German

- end of record -

?
Display 5/3/7 (Item 3 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0309214 DBR Accession No.: 2003-10999 PATENT
Altering recombinant adeno-associated virus (rAAV) transduction of mammalian cell by contacting cell with pseudotyped rAAV having

combination of **AAV** capsid protein and rAAV genome, and agent that alters virus transduction - recombinant adeno-associated virus vector-mediated gene transfer and expression in host cell for use in gene therapy
AUTHOR: ENGELHARDT J F; YAN Z
PATENT ASSIGNEE: UNIV IOWA RES FOUND; ENGELHARDT J F; YAN Z 2003
PATENT NUMBER: WO 2003006616 PATENT DATE: 20030123 WPI ACCESSION NO.: 2003-229480 (200322)
PRIORITY APPLIC. NO.: US 305204 APPLIC. DATE: 20010713
NATIONAL APPLIC. NO.: WO 2002US21926 APPLIC. DATE: 20020712
LANGUAGE: English

- end of record -

? d s5/9/1
Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0014124023 BIOSIS NO.: 200300082742
Marker rescue of adeno-associated virus (**AAV**) capsid mutants: A novel approach for chimeric ***AAV*** production.
AUTHOR: Bowles Dawn E; Rabinowitz Joseph E; Samulski R Jude (Reprint)
AUTHOR ADDRESS: Gene Therapy Center, University of North Carolina at Chapel Hill, 7119 Thurston-Bowles, CB 7352, Chapel Hill, NC, 27599-7352, USA** USA
AUTHOR E-MAIL ADDRESS: rjs@med.unc.edu
JOURNAL: Journal of Virology 77 (1): p423-432 January 2003 2003
MEDIUM: print
ISSN: 0022-538X _(ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Marker rescue, the restoration of gene function by replacement of

-more-

?
Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

a defective gene with a normal one by recombination, has been utilized to produce novel adeno-associated virus (***AAV***) vectors. ***AAV*** serotype 2 (**AAV2**) clones containing wild-type terminal repeats, an intact **rep** gene, and a mutated **cap** gene, served as the template for marker rescue. When transfected alone in 293 cells, these **AAV2** mutant plasmids produced noninfectious **AAV** virions that could not bind heparin sulfate after infection with adenovirus dl309 helper virus. However, the mutation in the ***cap*** gene was corrected after cotransfection with **AAV** serotype 3 (**AAV3**) capsid DNA fragments, resulting in the production of **AAV2**/**AAV3** chimeric viruses. The ***cap*** genes from several independent marker rescue experiments were PCR amplified, cloned, and then sequenced. Sequencing results confirmed not only that homologous recombination occurred but, more importantly, that a mixed population of **AAV** chimeras carrying 16 to 2,200 bp throughout different regions of the type 3 **cap** gene were generated in a single marker rescue experiment. A 100% correlation was observed between infectivity and the ability of the chimeric virus to

-more-

?
Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

bind heparin sulfate. In addition, many of the ***AAV2*** / ***AAV3*** chimeras examined exhibited differences at both the nucleotide and amino acid levels, suggesting that these chimeras may also exhibit unique infectious properties. Furthermore, ***AAV*** helper plasmids containing these chimeric **cap** genes were able to function in the triple

transfection method to generate recombinant ***AAV*** . Together, the results suggest that DNA from other **AAV** serotypes can rescue **AAV** capsid mutants and that marker rescue may be a powerful, yet simple, technique to map, as well as develop, chimeric **AAV** capsids that display ***different*** ***serotype*** -specific properties.

DESCRIPTORS:
MAJOR CONCEPTS: Molecular Genetics--Biochemistry and Molecular Biophysics
BIOSYSTEMATIC NAMES: Parvoviridae--ssDNA Viruses, Viruses, Microorganisms ; Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia
ORGANISMS: adeno-associated virus (Parvoviridae)--gene vector, chimeric forms uses/applications/production methods; HeLa cell line (Hominidae);

-more-

?
Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

293 cell line (Hominidae)
ORGANISMS: PARTS ETC: capsids--analysis, mutant forms
COMMON TAXONOMIC TERMS: Single-Stranded DNA Viruses; Microorganisms; Viruses; Animals; Chordates; Humans; Mammals; Primates; Vertebrates
CHEMICALS & BIOCHEMICALS: proteins; nucleotides; amino acids
METHODS & EQUIPMENT: marker rescue techniques--genetic techniques, laboratory techniques; PCR {polymerase chain reaction}--genetic techniques, laboratory techniques; gene sequencing--genetic techniques , laboratory techniques; transfection--genetic techniques, laboratory techniques; nucleic acid sequencing--genetic techniques, laboratory techniques
MISCELLANEOUS TERMS: biotechnology; methodology; novel approaches--applications; gene mutations; capsid mutants--analysis; terminal repeats
CONCEPT CODES:
03502 Genetics - General
03508 Genetics - Human

-more-

?
Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

10062 Biochemistry studies - Nucleic acids, purines and pyrimidines
10064 Biochemistry studies - Proteins, peptides and amino acids
31500 Genetics of bacteria and viruses
33502 Virology - General and methods
BIOSYSTEMATIC CODES:
03205 Parvoviridae
86215 Hominidae

- end of record -

?
? s pseudotype? and AAV?
9264 PSEUDOTYPE?
17347 AAV?
S6 216 PSEUDOTYPE? AND AAV?
? s pseudotype? (5n) AAV?
9264 PSEUDOTYPE?
17347 AAV?
S7 148 PSEUDOTYPE? (5N) AAV?
? s s7 and (adenovir? or herpes?) (5n) (helper or accessory)
148 S7
235351 ADENOVIR?
522928 HERPES?
218684 HELPER
165611 ACCESSORY
3064 (ADENOVIR? OR HERPES?)(5N)(HELPER OR ACCESSORY)
S8 11 S7 AND (ADENOVIR? OR HERPES?) (5N) (HELPER OR ACCESSORY)
? rd s8

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
...completed examining records
      S9   6 RD S8 (unique items)
? d s9/3/1-6
      Display 9/3/1   (Item 1 from file: 5)
DIALOG(R)File   5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0014094591   BIOSIS NO.: 200300053310
Production and purification of serotype 1, 2, and 5 recombinant
  adeno-associated viral vectors.
AUTHOR: Zolotukhin Sergei; Potter Mark; Zolotukhin Irene; Sakai Yoshihisa;
  Loiler Scott; Fraites Thomas J; Chiodo Vince A; Phillipsberg Tina;
  Muzyczka Nicholas; Hauswirth William W; Flotte Terance R; Byrne Barry J;
  Snyder Richard O (Reprint)
AUTHOR ADDRESS: Powell Gene Therapy Center, College of Medicine, University
  of Florida, 1600 SW Archer Road, Gainesville, FL, 32610-0266, USA**USA
AUTHOR E-MAIL ADDRESS: rsnyder@gtc.ufl.edu
JOURNAL: Methods (Orlando) 28 (2): p158-167 October 2002 2002
MEDIUM: print
ISSN: 1046-2023 _(ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

                                - end of record -
?
      Display 9/3/2   (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
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  140037039   CA: 140(4)37039e   PATENT
  Methods and composition for production of pseudotyped recombinant AAV
virions
  INVENTOR(AUTHOR): Snyder, Richard O.; Zolotukhin, Sergei; Sakal,
Yoshihisa; Byrne, Barry J.; Zolotukhin, Irine; Loiler, Scott; Potter, Mark
R.; Chiodo, Vince A.; Muzyczka, Nicholas; Hauswirth, William; Flotte,
Terence R.; Burger, Corina; Rodriguez, Edgardo
  LOCATION: USA
  ASSIGNEE: University of Florida
  PATENT: PCT International ; WO 2003104413 A2 DATE: 20031218
  APPLICATION: WO 2003US17933 (20030605) *US PV385864 (20020605)
  PAGES: 37 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A
  DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM;
HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV;
MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SC; SD; SE;

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SG; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; UZ; VN; YU; ZA; ZM; ZW; AM; AZ; BY;
KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL
; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB;
GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM;
GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

                                - end of record -
?
      Display 9/3/3   (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
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  138182027   CA: 138(13)182027n   PATENT

Adeno-associated virus vector packaging plasmid for the helper virus-free production of pseudotyped AAV particles over single transfection
INVENTOR(AUTHOR): Grimm, Dirk; Kleinschmidt, Juergen
LOCATION: Germany,
ASSIGNEE: Deutsches Krebsforschungszentrum Stiftung des Oeffentlichen Rechts
PATENT: Germany Offen. ; DE 10137283 A1 DATE: 20030227
APPLICATION: DE 10137283 (20010801)
PAGES: 10 pp. CODEN: GWXXBX LANGUAGE: German CLASS: C12N-015/864A; A61K-048/00B

- end of record -

?
Display 9/3/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

12051407 Genuine Article#: 676FH No. References: 0
Title: A novel recombinant **herpes** simplex virus used as **helper** virus for producing **AAV1 pseudotype** vectors
Author(s): Cao H; Pan SY; Peng M; Wu WJ; Wu XB
Corporate Source: AGTC Gene Technol Co Ltd,Beijing//Peoples R China/
Journal: MOLECULAR THERAPY, 2003, V7, N5,2 (MAY), PS351-S351
ISSN: 1525-0016 Publication date: 20030500
Publisher: ACADEMIC PRESS INC ELSEVIER SCIENCE, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495 USA
Language: English Document Type: MEETING ABSTRACT

- end of record -

?
Display 9/3/5 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0330175 DBR Accession No.: 2004-02467 PATENT
New recombinant hybrid virus having deleted adenovirus and recombinant adeno-associated virus vector genomes, useful for treating lysosomal and glycogen storage diseases, hemophilias, diabetes mellitus and Alzheimer's disease - for use in lysosomal storage disease, glycogen storage disease, hemophilia, Gaucher disease, diabetes mellitus, cystic fibrosis, Alzheimer disease, Parkinson disease, amyotrophic lateral sclerosis, epilepsy, retinal degenerative disease, cancer and infectious disease gene therapy
AUTHOR: AMALFITANO A; KOEBERL D D; SUN B
PATENT ASSIGNEE: UNIV DUKE 2003
PATENT NUMBER: WO 200392594 PATENT DATE: 20031113 WPI ACCESSION NO.: 2004-022613 (200402)
PRIORITY APPLIC. NO.: US 376397 APPLIC. DATE: 20020430
NATIONAL APPLIC. NO.: WO 2003US13323 APPLIC. DATE: 20030430
LANGUAGE: English

- end of record -

?
Display 9/3/6 (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0313620 DBR Accession No.: 2003-14760 PATENT
New adeno-associated virus vector-packaging plasmid, used to prepare adeno-associated viral particles for gene therapy, requires single transfection only - vector-mediated gene transfer, expression in host cell and packaging cell culture for gene therapy
AUTHOR: GRIMM D; KLEINSCHMIDT J
PATENT ASSIGNEE: DEUT KREBSFORSCHUNGSZENTRUM 2003
PATENT NUMBER: DE 10137283 PATENT DATE: 20030227 WPI ACCESSION NO.: 2003-343980 (200333)
PRIORITY APPLIC. NO.: DE 1037283 APPLIC. DATE: 20010801
NATIONAL APPLIC. NO.: DE 1037283 APPLIC. DATE: 20010801

LANGUAGE: DE

- end of record -

? d s9/9/1
Display 9/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0014094591 BIOSIS NO.: 200300053310
Production and purification of serotype 1, 2, and 5 recombinant adeno-associated viral vectors.
AUTHOR: Zolotukhin Sergei; Potter Mark; Zolotukhin Irene; Sakai Yoshihisa; Loiler Scott; Fraites Thomas J; Chiodo Vince A; Phillipsberg Tina; Muzyczka Nicholas; Hauswirth William W; Flotte Terance R; Byrne Barry J; Snyder Richard O (Reprint)
AUTHOR ADDRESS: Powell Gene Therapy Center, College of Medicine, University of Florida, 1600 SW Archer Road, Gainesville, FL, 32610-0266, USA**USA
AUTHOR E-MAIL ADDRESS: rsnyder@gtc.ufl.edu
JOURNAL: Methods (Orlando) 28 (2): p158-167 October 2002 2002
MEDIUM: print
ISSN: 1046-2023 _(ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

-more-

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Display 9/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

ABSTRACT: Recombinant adeno-associated viral (rAAV) vectors based on serotype 2 are currently being evaluated most extensively in animals and human clinical trials. rAAV vectors constructed from other AAV serotypes (serotypes 1, 3, 4, 5, and 6) can transduce certain tissues more efficiently and with different specificity than rAAV2 vectors in animal models. Here, we describe reagents and methods for the production and purification of **AAV2** inverted terminal repeat-containing vectors ***pseudotyped*** with ***AAV1*** or ***AAV5*** capsids. To facilitate pseudotyping, AAV2rep/AAV1cap and AAV2rep/AAV5cap **helper** plasmids were constructed in an ***adenoviral*** plasmid backbone. The resultant plasmids, pXYZ1 and pXYZ5, were used to produce rAAV1 and rAAV5 vectors, respectively, by transient transfection. Since neither AAV5 nor AAV1 binds to the heparin affinity chromatography resin used to purify rAAV2 vectors, purification protocols were developed based on anion-exchange chromatography. The purified vector stocks are 99% pure with titers of 1X1012 to 1X1013 vector genomes/ml.

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Display 9/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

DESCRIPTORS:
MAJOR CONCEPTS: Methods and Techniques; Molecular Genetics--Biochemistry and Molecular Biophysics
BIOSYSTEMATIC NAMES: Parvoviridae--ssDNA Viruses, Viruses, Microorganisms ; Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia
ORGANISMS: adeno-associated virus (Parvoviridae)--gene vector, recombinant, serovar-5, serovar-2, serovar-1, serovar-3, serovar-6 ; 293 cell line (Hominidae)--ATCC, human embryonic cells
COMMON TAXONOMIC TERMS: Single-Stranded DNA Viruses; Microorganisms; Viruses; Animals; Chordates; Humans; Mammals; Primates; Vertebrates
CHEMICALS & BIOCHEMICALS: recombinant adeno-associated viral inverted terminal repeat-containing vectors--purification, vector, production; pXYZ1 plasmid--vector; pXYZ5 plasmid--vector; AAV2rep/AAV5cap helper plasmid--vector, construction; AAV2rep/AAV1cap helper plasmid--vector,

construction; plasmid pAdEasy-1--vector, Stratagene, reagent
METHODS & EQUIPMENT: pseudotyping--genetic techniques, laboratory

-more-

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? e au=snyder, richard

Ref   Items  Index-term
E1        1  AU=SNYDER, RENEE PAMELA
E2        1  AU=SNYDER, REUBEN WENDELL, JR.
E3       16 *AU=SNYDER, RICHARD
E4        6  AU=SNYDER, RICHARD A
E5       17  AU=SNYDER, RICHARD A.
E6        1  AU=SNYDER, RICHARD ALLAN
E7        1  AU=SNYDER, RICHARD B.
E8        3  AU=SNYDER, RICHARD C
E9       41  AU=SNYDER, RICHARD C.
E10       2  AU=SNYDER, RICHARD CHARLES
E11       1  AU=SNYDER, RICHARD CHRISTOPHER
E12       1  AU=SNYDER, RICHARD D.

          Enter P or PAGE for more
? e au=zolotukhin, sergei

Ref   Items  Index-term
E1        2  AU=ZOLOTUKHIN, S. YU.
E2        7  AU=ZOLOTUKHIN, S.F.
E3       46 *AU=ZOLOTUKHIN, SERGEI
E4        1  AU=ZOLOTUKHIN, SERGEJ N.
E5        1  AU=ZOLOTUKHIN, SERGEJ NIKOLAEVICH
E6        1  AU=ZOLOTUKHIN, SERGEY F.
E7        2  AU=ZOLOTUKHIN, T. M.
E8        2  AU=ZOLOTUKHIN, V.
E9       48  AU=ZOLOTUKHIN, V. A.
E10       8  AU=ZOLOTUKHIN, V. D.
E11       6  AU=ZOLOTUKHIN, V. E.
E12       2  AU=ZOLOTUKHIN, V. F.

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? e au=zolotukhin s.

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E1       63 *AU=ZOLOTUKHIN S.
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E3        3  AU=ZOLOTUKHIN S.E.
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E8        2  AU=ZOLOTUKHIN SE
E9        2  AU=ZOLOTUKHIN SERGE
E10      78  AU=ZOLOTUKHIN SERGEI
E11       2  AU=ZOLOTUKHIN SERGEY F
E12       9  AU=ZOLOTUKHIN SI

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? e au=sakai, y.

Ref   Items  Index-term
E1        3  AU=SAKAI, WILLIAM SHIGERU
E2       54  AU=SAKAI, Y
E3     1605 *AU=SAKAI, Y.
E4        2  AU=SAKAI, Y. ET AL
E5        2  AU=SAKAI, Y. ET AL.
E6        1  AU=SAKAI, Y. MATSUYAMA, Y. INOUE, K. ISHIGURO, N.
E7        6  AU=SAKAI, Y. T.
E8        7  AU=SAKAI, Y.T.
E9        5  AU=SAKAI, YAKICHI
E10       1  AU=SAKAI, YASHUHIRO
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E11        4  AU=SAKAI, YASUAKI
E12        1  AU=SAKAI, YASUBUMI

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? e au=potter, mark r.

Ref    Items  Index-term
E1         2 *AU=POTTER, MARK R.
E2         7  AU=POTTER, MARKUS
E3         1  AU=POTTER, MARSHALL R.
E4         5  AU=POTTER, MARTIN
E5         1  AU=POTTER, MARTIN C.
E6         1  AU=POTTER, MARTIN H.
E7         5  AU=POTTER, MARY
E8         1  AU=POTTER, MARY ANN ROBINSON
E9         1  AU=POTTER, MARY C
E10        1  AU=POTTER, MARY C.
E11        1  AU=POTTER, MARY CRAWFORD
E12        1  AU=POTTER, MARY E.

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? e au=loiler, scott

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E1         5 *AU=LOILER, SCOTT
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E3         7  AU=LOILER, SCOTT A.
E4         1  AU=LOILIER CAUCHETEUX MARIE-NOELLE
E5        10  AU=LOILIER M
E6         1  AU=LOILIER MICHEL
E7         1  AU=LOILIER, GORY M.
E8        14  AU=LOILIER, M.
E9         2  AU=LOILIER, M. R.
E10        6  AU=LOILLEUX S
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E12        1  AU=LOILLEUX, S.

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E1         0 *AU=CHIODO, VINCE
E2         7  AU=CHIODO, VINCE A.
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E4         1  AU=CHIODOGRANDI F.
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E6        58  AU=CHIODONI A
E7         1  AU=CHIODONI ANGELICA
E8        50  AU=CHIODONI C
E9        28  AU=CHIODONI C.
E10       46  AU=CHIODONI CLAUDIA
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E12       19  AU=CHIODONI G

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? e au=burger, corinna

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E1         1  AU=BURGER, CLAUDIUS M.
E2         1  AU=BURGER, CORINA
E3        25 *AU=BURGER, CORINNA
E4         2  AU=BURGER, CRAIG A
E5         1  AU=BURGER, CRAIG A.
E6         1  AU=BURGER, CURT
E7        11  AU=BURGER, CURT W.
E8        13  AU=BURGER, CYRILL
E9       295  AU=BURGER, D.
E10        4  AU=BURGER, D. A.
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E11        5  AU=BURGER, D. B.
E12        3  AU=BURGER, D. C.

          Enter P or PAGE for more
? e au=fraites, thomas

Ref    Items  Index-term
E1         2  AU=FRAITES, JAMES LOUIS, JR.
E2         0 *AU=FRAITES, THOMAS
E3         2  AU=FRAITES, THOMAS J.
E4         1  AU=FRAITES, THOMAS J. R.
E5         5  AU=FRAITES, THOMAS J., JR.
E6         1  AU=FRAITES, TOM
E7         1  AU=FRAITEUR GAEL
E8         3  AU=FRAITIS F
E9         1  AU=FRAITIS F.
E10        2  AU=FRAITOT V
E11        1  AU=FRAITOT, V.
E12       66  AU=FRAITOVA D

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? e au=fraites t.

Ref    Items  Index-term
E1         1  AU=FRAITES T J R
E2         0 *AU=FRAITES T.
E3         2  AU=FRAITES T.J.
E4         2  AU=FRAITES T.J. JR.
E5        25  AU=FRAITES THOMAS J
E6         4  AU=FRAITES THOMAS J JR
E7        13  AU=FRAITES TJ
E8         1  AU=FRAITES, E. L.
E9         2  AU=FRAITES, ELLEN L.
E10        1  AU=FRAITES, J.
E11        2  AU=FRAITES, J. L.
E12        2  AU=FRAITES, JAMES F.

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